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Sheet 1 of 4

PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Document Number 20030323.ORI	Application Number 10/680,390
	Applicant Naomi E. Chayen	
	Filing Date October 2, 2003	Group Art Unit 1720

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

F.H.	Abbott, Alison, NATURE, Structures by Numbers, Vol. 408, Nov. 9, 2000, pp. 130-132
F.H.	Abola et al, NATURE STRUCTURAL BIOLOGY, Automation of X-ray Crystallography, Vol. 7, November 2000, pp. 973-977
F.H.	Barrett et al, CELL, Crystal Structure of a G:T/U Mismatch-Specific DNA Glycosylase: Mismatch Recognition by Complementary-Strand Interactions, Vol. 92, January 9, 1998, pp. 117-129
F.H.	Blow et al, PROTEIN SCIENCE, Control of Nucleation of Protein Crystals, Vol. 3, (1994), pp. 1638-1643

EXAMINER 	DATE CONSIDERED 6/2/2006
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



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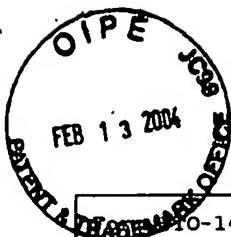
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F.H. ↑ ↓ F.H.	Chayen, J. APPL. CRYST., An Automated System for Micro-Batch Protein Crystallization and Screening, Vol. 23, (1990), pp. 297-302
	Chayen, J. APPL. CRYST., A Novel Technique to Control the Rate of Vapour Diffusion, Giving Larger Protein Crystals, Vol. 30, (1997), pp. 198-202
	Chayen et al, JOURNAL OF CRYSTAL GROWTH, Microbatch Crystallization Under Oil - A New Technique Allowing Many Small-Volume Crystallization Trials, Vol. 122, (1992), pp. 176-180
	Chayen et al, ACTA CRYSTALLOGRAPHICA, Section D, New Developments of the IMPAX Small-Volume Automated Crystallization System, Vol. 50, (1994), pp. 456-458
	Blundell and Mizuguchi, PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, Structural Genomics: An Overview, Vol. 73, (2000), pp. 289-295
	Lorber and Giege, JOURNAL OF CRYSTAL GROWTH, Containerless Protein Crystallization in Floating Drops: Application to Crystal Growth Monitoring Under Reduced Nucleation Conditions, Vol. 168, (1996), pp. 204-215
	Mayans et al, NATURE, Structural Basis for Activation of the Titin Kinase Domain During Myofibrillogenesis, Vol. 395, 29 October 1998, pp. 863-869
	Dennis Normile, SCIENCE, Search for Better Crystals Explores Inner, Outer Space, Vol. 270, 22 December 1995, pp. 1921-1922
	Sanchez et al, NATURE STRUCTURAL BIOLOGY, Protein Structure Modeling for Structural Genomics, Vol. 7, November 2000, pp. 986-990
	Saridakis and Chayen, PROTEIN SCIENCE, Improving Protein Crystal Quality by Decoupling Nucleation and Growth in Vapor Diffusion, Vol. 9, (2000), pp. 755-757

EXAMINER <i>L. H. Hester</i>	DATE CONSIDERED 6/02/2006
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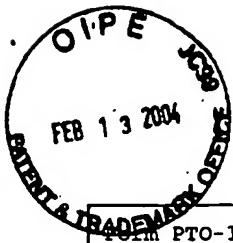
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

Felt ↑	Saridakis et al, ACTA CRYSTALLOGRAPHICA SECTION D, Phase Diagram and Dilution Experiments in the Crystallization of Carboxypeptidase G ₂ , Vol. 50, (1994), pp. 293-297
	Stevens, STRUCTURE, Design of High-Throughput Methods of Protein Production for Structural Biology, Vol. 8, (2000), pp. R177-R185
	Stevens, CURRENT OPINION IN STRUCTURAL BIOLOGY, High-Throughput Protein Crystallization, Vol. 10, (2000), pp. 558-563
	Stock et al, SCIENCE, Molecular Architecture of the Rotary Motor in ATP Synthase, Vol. 286, 26 November 1999, pp. 1700-1705
↓ FH.	Russell et al, STRUCTURAL GENOMICS SUPPLEMENT TO NATURE STRUCTURAL BIOLOGY, Molecular Form & Function, Vol. 7, November 2000, pp. 927-994
	Stura, In: CRYSTALLIZATION OF NUCLEIC ACIDS AND PROTEINS. (Ducruix, A. & Giege, R., eds.), Seeding Techniques, Oxford University Press, Oxford, pp. 177-208
	Yonath et al, JOURNAL OF CELLULAR BIOCHEMISTRY, Parameters for Crystal Growth of Ribosomal Subunits, Vol. 19, (1982), pp. 145-155
	Achilles, CONTRIB. NEPHROL., Crystallization in Gel Matrices: A New Experimental Model of Calcium Stone Formation, Vol. 58, (1987), pp. 59-64
	Achilles et al, UROL. RES., An Optical Micromethod for the Determination of Relative Crystallisation Rates of Calcium Oxalate in Gels: Method and Preliminary Results, Vol. 11, (1983), pp. 87-91
	Bother et al, Z. UROL. U. NEPHROL, Gelmodell zur Messung von Kristallisations Inhibitoraktivitaten, Vol. 75, (1982), pp. 689-698 (In the German Language)
	Chayen et al, QUARTERLY REVIEWS OF BIOPHYSICS, Trends and Challenges in Experimental Macromolecular Crystallography, Vol. 29, (1996), pp. 227-278

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 6/2/2004
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	Applicant Naomi E. Chayen	
	Filing Date October 2, 2003	Group Art Unit <i>1708</i>

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

<i>FH</i>	D'Arcy et al, J. CRYSTAL GROWTH, A Novel Approach to Crystallising Proteins Under Oil, Vol. 168, (1996), pp. 175-180
	Drenth et al, ACTA CRYSTALLOGRAPHICA SECTION D, Nucleation in Protein Crystallization, Vol. 54, (1998), pp. 867-872
<i>J</i>	McPherson et al, STRUCTURE, Ways & Means, Vol. 3, (1995), pp. 759-768
	Blundell et al, MOLECULAR DIMENSIONS LIMITED - June 2000 Newsletter
<i>FH</i>	Schneider et al, UROL. INT., A Gel Model for Measuring Crystallization Inhibitor Activities, Vol. 38, (1983), pp. 33-38

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